|     |                   |                 |  |                 |  |                          |          |          |          | ŀ            | 09//45,483 |          |                    |  |  |          |          |          |            |                 | DUPUIS ET AL. |          |         |         |           |              |          |   |  |  |  |
|-----|-------------------|-----------------|--|-----------------|--|--------------------------|----------|----------|----------|--------------|------------|----------|--------------------|--|--|----------|----------|----------|------------|-----------------|---------------|----------|---------|---------|-----------|--------------|----------|---|--|--|--|
|     |                   |                 |  |                 |  |                          |          |          |          |              |            | Examiner |                    |  |  |          |          |          |            |                 |               | Art Unit |         |         |           |              |          |   |  |  |  |
|     |                   |                 |  |                 |  |                          |          |          |          |              |            |          | Bob Chevalier      |  |  |          |          |          |            |                 |               | 2616     |         |         |           |              |          |   |  |  |  |
|     |                   |                 |  |                 |  |                          |          |          |          |              |            |          |                    |  |  |          |          |          |            |                 |               |          |         |         |           |              |          |   |  |  |  |
|     |                   | √ Rejected      |  |                 |  | (Through numer Cancelled |          |          |          |              |            | al)      |                    | •  | Non-Ele  |          |          | bed      |            | A               | Appeal        |          |         |         | -         |              |          |   |  |  |  |
|     | = Allowed         |                 |  | ÷ Restricted    |  |                          |          |          | <br>     |              |            | ī        | ļ,                 | Interference                                     |  |          |          | 0        | Objected   |                 |               |          |         |         |           | •            |          |   |  |  |  |
| •   |                   |                 |  |                 |  |                          |          |          |          |              |            | L        |                    |  |  |          |          | •        | Ц          |                 |               |          |         |         | J         |              | - ·      |   |  |  |  |
|     |                   |                 |  |                 | ] [  | Claim                    |          |          |          |              | Dat        | e        |                    |  |  | Cli      | aim      |          | Date       |                 |               |          |         |         |           | ]            |          |   |  |  |  |
|     | Final<br>Original |                 |  |                 |  |                          | Final    | Original |          |              |            | -        |                    |  |  |          |          | Final    | Original   |                 |               |          |         |         |           |              |          |   |  |  |  |
|     | 1                 | V               | 1  | $\Box$          | $\vdash$   | ┨╏                       |          | 51       | Н        | +            | +          | +        | ╁╴                 | ╁╌   | ╁  | Н        | ŀ        |          | 101        |                 | +             | +        | +       | +       | ╁         | ╁╴           | ├        |   |  |  |  |
|     | 16 2              | V               | 7  |                 |  | <b>1</b> [               |          | 52       |          |              | 土          |          |                    | L  |  |          | E        |          | 102        |                 | Ì             |          | T       |         | $\dagger$ |              | T        |   |  |  |  |
|     | 3                 | 10              |  | ┼-              | <del>                                     </del> | -1 1                     |          | 53       | $\sqcup$ | -            | 1          | 1'       |                    |  |  | Н        |          |          | 103        |                 |               | 1        |         | L       | L         |              |          |   |  |  |  |
|     | 3 5               | K               | <del>/    -   -  </del>                            | ┼╌┼-            | $\vdash$   | -l                       |          | 54<br>55 | Н        | +            | +          | +        | ╁                  | $\vdash$   | H  | Н        | -        |          | 104<br>105 | Н               | +             | +        | ╀       | +       | ╀         | ╁            | ┡-       |   |  |  |  |
|     |                   | V               | 7  | $\vdash$        | $\vdash$   | 1 h                      |          | 56       | H        | $\forall$    | +          | ╁        | +-                 | 十  | $\vdash$   | Н        | H        |          | 106        | -               | $\dashv$      | +        | +       | ╫       | ╁         | ╁            | $\vdash$ |   |  |  |  |
|     | 4 6<br>5 7        | $\mathbb{V}$    |  |                 |  | 1 [                      |          | 57       |          |              |            |          |                    |  |  |          |          |          | 107        |                 | İ             |          |         |         | İ         | 1            |          |   |  |  |  |
|     | 6 8               | Q               |  | ₩-              | $\vdash$   | -                        |          | 58       | Н        | -            | 4          | +        | ┞                  |  |  | Н        | Ļ        |          | 108        | П               | $\downarrow$  | $\perp$  | $\perp$ | $\perp$ | L         | Ι.           |          |   |  |  |  |
|     | 7 9<br>8 10       | 0               | <del>                                     </del>   | + + -           | ╁┼   | -l                       | $\dashv$ | 59<br>60 | $\vdash$ | +            | +          | +        | ╀                  | ┝  | ├-   | Н        | ├        |          | 109<br>110 | ┨               | $\dashv$      | +        | +       | ╀       | ╀         | ╄            | -        |   |  |  |  |
|     | 9 11              | M               |  |                 |  | 1 h                      |          | 61       | H        | $\dashv$     | -          | +        | ╁                  | ┢  | <del>                                     </del> | Н        | ┢        |          | 111        | H               | +             | ╁        | +       | +-      | ╁         | +            | $\vdash$ |   |  |  |  |
|     | 10 12             | V               |  |                 | П  | ] [                      |          | 62       |          | $\Box$       | $\perp$    |          |                    |  |  |          |          |          | 112        |                 |               | 土        | İ       |         | T         |              |          |   |  |  |  |
|     | // 13             | V               |  | $\vdash$        |  | 4 1                      | _        | 63<br>64 | Н        | 4            | 4          |          | 1                  | ļ.,  | L  | Н        | L        |          | 113        | $\Box$          | 4             | 4        | $\perp$ |         | L         | ļ            | Ļ        |   |  |  |  |
|     | 12 14<br>13 15    | X               |  | $\vdash$        | ╁╌┢╴   | ┨                        | $\dashv$ | 65       | $\vdash$ | $\dashv$     | +          | +        | ╂                  | ÷  | -  | Н        | ┟        |          | 114<br>115 | Н               | +             | +        | +       | +       | ╀         | ╁┈           | ╁        |   |  |  |  |
|     | 14 16             |                 |  |                 |  | 1 h                      |          | 66       | Ħ        | 寸            | 十          | $\top$   | ╁╌                 | <del>                                     </del> |  | Н        | ┟        | _        | 116        | -               | +             | +        | +       | ╁╌      | ╁         | +            | ╌        |   |  |  |  |
|     | 15 17             | D               | <b>4</b>   |                 | П  | ] [                      |          | 67       |          |              | $\perp$    | $\perp$  |                    |  |  |          |          |          | 117        |                 | ユ             |          | I       |         | L         | 上            |          |   |  |  |  |
|     | 20 19             | V               |  | ₩               | ₩  | ┨┞                       |          | 68<br>69 | Н        | $\dashv$     | +          | ╬        | ╁                  | ┡  | -  | Н        | F        |          | 118        | $\sqcup$        | 4             | 4        | $\bot$  | $\perp$ | L         | <b>.</b>     |          |   |  |  |  |
|     | 17 20             | ď               | $\eta$   | ╁╌┟╌            | $\vdash$   | ┪┟                       | $\dashv$ | 70       | $\dashv$ | $\dashv$     | +          | +        | +                  | ┝  | $\vdash$   | Н        | ├        |          | 119<br>120 | $\vdash$        | +             | +        | +       | +       | ╀         | ╫            | ├        |   |  |  |  |
|     | 18 21             | ð               |  | $\Box$          | Ħ  | 1 t                      |          | 71       | Ħ        | +            | 十          | +        | T                  | ┪  |  | Н        | ۲        |          | 121        |                 | $^{+}$        | +        | +       | +       | t         | ╁╴           | ╁╌       |   |  |  |  |
| _   | 19 22             | Ð               |  |                 | Ш  | ] [                      |          | 72       | $\Box$   | $\Box$       | $\Box$     |          |                    |  |  |          |          |          | 122        |                 |               | $\perp$  |         | 上       | T         |              |          |   |  |  |  |
|     | 23<br>24          | $\vdash$        |  | ┼-┼-            | ₩  | ┨┞                       |          | 73<br>74 | $\dashv$ | +            | -          |          | ╀                  | _  | $\vdash$   | Н        | $\vdash$ | _        | 123        | $\vdash \vdash$ | 4             | +        | ╀       | ╀-      | L         | $\bot$       |          |   |  |  |  |
|     | 25                | $\vdash$        |  | ++              | ╁┼   | ┪┟                       | $\dashv$ | 75       | $\dashv$ | $\dashv$     | +          | +        | ╁                  | ⊢  | Н  | Н        | ⊦        | -        | 124<br>125 | ┝┥              | +             | +        | ╀       | ╁       | ╀         | ╁┈           | ├        |   |  |  |  |
|     | 26                |                 |  |                 |  | 1 t                      |          | 76       | Н        | $\dashv$     | +          | ╁        | +-                 | H  | Н  | Н        | ┢        |          | 126        | $\vdash$        | $\dagger$     | 十        | +       | +-      | ╁         | ╁            | ┢        |   |  |  |  |
|     | 27                | Ц               |  |                 | Ш  | ļ                        |          | 77       |          | $\Box$       |            |          |                    |  |  |          |          |          | 127        |                 |               |          |         |         | T         |              |          |   |  |  |  |
|     | 28<br>29          | Н               |  | $\vdash$        | ╀  | ┨┞                       |          | 78<br>79 |          | $\dashv$     | +          | +        | ╀                  | <b> </b>   | Н  | Н        | -        |          | 128        | Н               | 4             | 4        | 1       | 4_      | Ļ         | L            | L        |   |  |  |  |
|     | 30                | Н               |  | ╁┼              | ╁  | ┪┟                       |          | 80       | $\dashv$ | +            | +          | ╁╌       | ╁                  | ⊢  | ┢┥   | Н        | $\vdash$ |          | 129<br>130 | Н               | +             |          | ╁       | ╁       | ╀         | ╀            | ┞        |   |  |  |  |
|     | 31                |                 |  |                 |  | 1                        | $\neg$   | 81       | $\dashv$ | 十            | $\top$     | +-       | _                  | 1  | Н  | Н        | H        |          | 131        | H               | +             | +        | +       | +       | ╁╴        | ╁╴           | $\vdash$ |   |  |  |  |
| •   | 32                | Ш               |  | $oxed{\Box}$    |  | <b>]</b> [               | $\Box$   | 82       | $\Box$   | ightharpoons |            | $\perp$  |                    |  |  |          |          |          | 132        |                 |               | 工        |         | 上       |           | 上            |          |   |  |  |  |
|     | 33                | $\vdash$        |  | $\vdash$        | ╁┼   | ┪┟                       | $\dashv$ | 83       | -        | _            | 4          | +        | ╄                  | <u> </u> _                                       | Н  | Н        | -        | ·        | 133        | $\sqcup$        | 4             | 4        | $\perp$ | 1       | 1         | _            |          |   |  |  |  |
|     | 35                | H               |  | $\vdash$        | +  | ┨ ├                      | $\dashv$ | 84<br>85 | $\dashv$ | $\dashv$     | ╫          | +        | ╁                  | ┝  | H  | Н        | ┢        | -        | 134<br>135 | Н               | +             | +        | ╀       | ╀       | ╀         | ┼            | $\vdash$ |   |  |  |  |
| •   | 36                |                 |  |                 |  | 1                        | $\neg$   | 86       | $\neg$   | $\dashv$     | ╅          | +        | $\vdash$           | $\vdash$   | H  | $\dashv$ | H        | $\dashv$ | 136        | H               | +             | +        | ╁       | ╁       | +         | ╁            | -        |   |  |  |  |
|     | 37                |                 |  |                 |  | ] [                      |          | 87       | $\Box$   | $\Box$       |            |          |                    |  |  |          |          |          | 137        |                 |               |          | I       |         | L         |              |          |   |  |  |  |
|     | 38<br>39          | Н               |  | $\vdash\vdash$  | ₩  | ┦ ├                      |          | 88<br>89 | $\dashv$ | 4            | -          | ╄        | ├-                 | ⊢  | Н  | Ц        | L        | _        | 138        | Ц               | 4             | _        | ┸       | $\perp$ | $\perp$   | $oxed{oxed}$ |          |   |  |  |  |
|     | 40                | Н               | <del>-   -   -   -   -   -   -   -   -   -  </del> | $\vdash$        | ╁  | ┨┞                       |          | 90       | +        | $\dashv$     | +          | +        | ╁                  | ┝  | Н  | $\dashv$ | ┈├       | $\dashv$ | 139        | $\vdash$        | +             | +-       | ╀       | ╄       | ╀         | ╀            | ├        |   |  |  |  |
|     | 41                |                 |  |                 |  | 1                        | $\neg$   | 91       | 7        | $\top$       | ┿          | +-       | ┢                  | -  | Н  | $\dashv$ | ┢        | -        | 141        | $\vdash$        | +             | ┿        | ╁       | ╁       | ╁         | ╁            | ┢╌       |   |  |  |  |
|     | 42                | П               |  |                 |  | ] [                      |          | 92       |          | $\perp$      | 1.         | I        |                    |  |  |          |          |          | 142        | ☐ t             | 丁             | 土        | I       |         | T         |              |          |   |  |  |  |
|     | 43                | ⊢┤              |  | ├-              | ├  | 4 F                      |          | 93<br>94 | $\dashv$ | 4            | - -        | $\perp$  | $\vdash$           |  | $\square$  | Ц        |          | $\Box$   | 143        | Ц               | Ţ             | 工        | Ţ       | Γ       | $\Box$    | $\Box$       | П        |   |  |  |  |
| ŀ   | 45                | ╁┤              | <del>-   -   -   -   -   -   -   -   -   -  </del> | ++              | $\vdash \vdash$                                  | ┨ <b>├</b>               | •        | 95       | +        | +            | ╁          | +        | $\vdash$           | $\vdash$   | ┝┤   | $\dashv$ | $\vdash$ |          | 144<br>145 | $\dashv$        | +             | +        | ╀       | +       | ╀         | $\vdash$     | Н        |   |  |  |  |
|     | 46                |                 |  |                 |  | <u> </u>                 |          | 96       | _        | +            | +          | T        | †                  | H  | $\vdash$   | $\dashv$ | $\vdash$ | $\dashv$ | 146        | $\dashv$        | +             | +        | +       | ╁╌      | ┢         | $\vdash$     | Н        |   |  |  |  |
| ſ   | 47                | П               |  |                 | $\Box$   | ] [                      |          | 97       |          | 1            |            |          |                    |  |  |          |          |          | 147        |                 | 士             | 上        | T       | İ       | Γ         |              | H        |   |  |  |  |
| - 1 | 48<br>49          | ⊢∤              | <del>-       -</del>                               | ├-              | $\vdash$   | ┨┞                       |          | 98<br>99 | $\dashv$ | +            | +          | 1        | $oldsymbol{\perp}$ | Ц  | $\sqcup$   | $\perp$  |          |          | 148        | $\dashv$        | 4             | Ŧ        | L       | Г       |           |              |          |   |  |  |  |
| ŀ   | 50                | $\vdash \vdash$ | +++  | $\vdash \vdash$ | $\vdash \vdash$                                  | 1                        |          | 100      | $\dashv$ | +            | +          | +        | $\vdash$           | Н  | $\vdash$   | $\dashv$ | $\vdash$ |          | 149<br>150 | +               | +             | +-       | ╀       | ╀       | ⊢         | $\vdash$     | $\vdash$ |   |  |  |  |
| •   |                   |                 |  | ·               |  | <i>-</i>                 |          |          |          |              |            |          |                    | ш  | ш  |          | <u> </u> |          | 100        |                 |               | ш.       | _       |         |           | لط           | Ŀ        | • |  |  |  |

Application No.

**Index of Claims** 

Applicant(s)